

Listing of Claims:

1. (Currently Amended) A hypermedia content presentation method comprising:

presenting hypermedia content on a local client system, said hypermedia content containing hyperlinks to additional hypermedia content;

responsive to a user selecting at least one of said hyperlinks, storing user selected ones of said hyperlinks in a delayed viewing list;

analyzing data storage resources of the local client system and at least one of processing resources of the local client system and transmission bandwidth of a network connection ~~of~~ between the local client system and a proxy server to determine if at least one resource-constrained condition for the local client system exists;

caching hypermedia content associated with said stored hyperlinks during said presenting step if no resource-constrained condition for the local client system exists, wherein the hypermedia content is presented to the user during said receiving and caching steps;

delaying caching hypermedia content associated with said stored hyperlinks as long as at least one resource-constrained condition for the local client system exists.

organizing cached hypermedia content into a series of topic folders corresponding to different topics; and

storing delayed viewing list entries in said series of topic folders, wherein each entry is stored in a topic folder containing associated hypermedia content.

2. (Original) The method of claim 1, further comprising reconfiguring said stored hyperlinks to point to said cached hypermedia content.

3. (Previously Presented) The method of claim 1, wherein said presenting step comprises displaying Web content in a Web browser, said Web content containing

hyperlinks to additional Web content, said user selection being responsive to a right click mouse event on the selected hyperlink.

4. (Original) The method of claim 3, wherein said presenting step further comprises playing back multimedia content in a multimedia content player.

5. (Previously Presented) The method of claim 1, wherein said presenting step comprises displaying audiovisual television content combined with hypermedia content in a television set, said audio visual television content comprising a video stream, wherein said video stream is presented in an uninterrupted manner during said receiving, storing, and caching steps.

6. (Previously Presented) The method of claim 1, wherein said caching step comprises caching hypermedia content in a server remotely located from and communicatively linked to said content browser.

7. (Previously Presented) The method of claim 1, wherein said caching step comprises caching hypermedia content in a local cache communicatively linked to said content browser and disposed within a client executing the content browser.

8. (Currently Amended) The method of claim 1, further comprising:
caching further hypermedia content in a proxy cache where downloading said further hypermedia content to a local cache can constrain at least one of data storage resources of the system, processing resources of the system, and transmission bandwidth of a network connection.

9. (Cancelled)

10. (Original) The method of claim 1, wherein said caching step comprises:
 - configuring a page depth to which said hyperlinks in said hypermedia content associated with said stored hyperlinks can be followed;
 - downloading said hypermedia content associated with said stored hyperlinks, said downloaded hypermedia content containing additional hyperlinks to further hypermedia documents;
 - further downloading said further hypermedia documents, said further hypermedia documents containing further hyperlinks to even further hypermedia documents; and,
 - repeating said further downloading step until reaching said configured page depth.
11. (Original) The method of claim 10, further comprising reconfiguring said stored, further and additional hyperlinks to point to associated hypermedia documents stored in said cache.
12. (Cancelled)
13. (Original) The method of claim 1, further comprising adapting said cached hypermedia content for full text searching in a full text search engine.
14. (Previously Presented) The method of claim 1, wherein said storing step further comprises:
 - associating expiration data with each hyperlink in said delayed viewing list; and,
 - automatically purging hyperlinks from said delayed viewing list based on said expiration data.

15. (Previously Presented) The method of claim 1, further comprising manually purging selected cached hypermedia content responsive to a user selection.
16. (Previously Presented) The method of claim 1, further comprising manually managing selected hyperlinks in said delayed viewing list via a user interface of a delayed viewing list manager.
17. (Previously Presented) The method of claim 1, further comprising automatically purging selected hyperlinks in said delayed viewing list responsive to the hypermedia content referenced by the selected hyperlinks being presented to a user.
18. (Original) The method of claim 1, further comprising:
selecting hyperlinks in said delayed viewing list; and,
presenting cached hypermedia content associated with said selected hyperlinks.
19. (Original) The method of claim 1, further comprising:
selecting hyperlinks in said delayed viewing list; and,
adding said selected hyperlinks to a list of bookmarks in a content browser.
20. (Original) The method of claim 1, further comprising manually managing said cached hypermedia content.
21. (Original) The method of claim 1, wherein said caching step comprises:
determining if a selected hyperlink is associated with hypermedia content having a limited lifetime; and,
if it is determined that a selected hyperlink is associated with hypermedia content having a limited lifetime, identifying further hypermedia content necessary for viewing

said hypermedia content having a limited lifetime, and downloading said hypermedia content having a limited lifetime and said necessary further hypermedia content.

22. (Currently Amended) A hypermedia content presentation system comprising:
a content browser executing on a local client system for presenting hypermedia content to a user;

a means for the user to select at least one hyperlink from within the content browser while the hypermedia content is displayed to the user;

a content cache for storing further hypermedia content related to said hypermedia content presented in said content browser;

a delayed viewing list for storing hyperlinks to said further hypermedia content in said content cache, said hyperlinks contained in said hypermedia content presented in said content browser, wherein said delayed viewing list is dynamically created responsive to user selections of hyperlinks that have been presented within the content browser; and,

a delayed viewing list manager to analyze data storage resources of the local client system and at least one of processing resources of the local client system and transmission bandwidth of a network connection ~~of~~ between the local client system to determine if at least one resource-constrained condition for the local client system exists;

said delayed viewing list manager downloading said further hypermedia content to said content cache during said presentation of said hypermedia content in said content browser without a view currently presented in the content browser from being relinquished if no resource-constrained condition for the local client system exists;

said delayed viewing list manager delaying downloading said further hypermedia content to said content cache if least one resource-constrained condition for the local client system exists;

said delayed view list manager including a create-topic folder function for organizing cached hypermedia content into a series of topic folders corresponding to different topics;

said delayed view list manager further including an add function for adding delayed viewing list entries in said series of topic folder, wherein each entry is stored in a topic folder containing associated hypermedia content.

23. (Previously Presented) The hypermedia content presentation system of claim 22, wherein said content browser is a Web browser and said hypermedia content is Web content, said user selection being responsive to a right click mouse event on the selected hyperlink.

24. (Previously Presented) The hypermedia content presentation system of claim 22, wherein said content cache is a local cache associated with said content browser, and wherein said content browser is configured to display audiovisual television content combined with hypermedia content in a television set, said audio visual television content comprising a video stream, wherein said video stream is presented in an uninterrupted manner file operations relating to the content cache, the delayed viewing list, and the delayed viewing list manage are being performed.

25. (Original) The hypermedia content presentation system of claim 22, wherein said content cache is a proxy cache communicatively linked to said content browser.

26. (Cancelled)

27. (Withdrawn) A hypermedia content presentation system configured for operation in a cable system, comprising:

a set-top box connecting a television set to the cable system, said set-top box adapted to present through said television set both television content originating in the cable system and hypermedia content originating in data servers in a data communications network;

a gateway server for providing an interface between said data communications network and the cable system;

a delayed viewing list in said set-top box for storing selected hyperlinks in said hypermedia content to further hypermedia content in said data communications network;

at least one cache for storing said further hypermedia content associated with said hyperlinks in said delayed viewing list; and,

a delayed viewing list manager for downloading said further hypermedia content during said presentation of said hypermedia content through said television set by said set-top box.

28. (Withdrawn) The hypermedia content presentation system of claim 27, wherein said content cache is a local cache associated with said set-top box.

29. (Withdrawn) The hypermedia content presentation system of claim 27, wherein said content cache is a proxy cache.

30. (Withdrawn) The hypermedia content presentation system of claim 27, wherein said delayed viewing list manager further comprises:

a resource sensitive downloading agent;

said resource sensitive downloading agent monitoring available system resources;

said resource sensitive downloading agent downloading said further hypermedia content to said content cache when system resources are available;

said resource sensitive downloading agent delaying said downloading when said system resources are constrained.

31. (Withdrawn) The hypermedia content presentation system of claim 27, wherein said delayed viewing list manager further comprises:

a resource sensitive downloading agent;

said resource sensitive downloading agent monitoring available system resources;

said resource sensitive downloading agent caching said further hypermedia content in a proxy cache where downloading said further hypermedia content to a local cache can constrain local resources.

32. (Currently Amended) A machine readable storage, having stored thereon a computer program having a plurality of code sections for presenting hypermedia content, said code sections executable by a machine for causing the machine to perform the steps of:

presenting hypermedia content on a local client system, said hypermedia content containing hyperlinks to additional hypermedia content;

responsive to a user selecting at least one of said hyperlinks, storing user selected ones of said hyperlinks in a delayed viewing list;

analyzing data storage resources of the local client system and at least one of processing resources of the local client system and transmission bandwidth of a network connection of between the local client system to determine if at least one resource-constrained condition for the local client system exists;

caching hypermedia content associated with said stored hyperlinks during said presenting step if no resource-constrained condition for the local client system exists, wherein the hypermedia content is presented to the user during said receiving and caching steps;

delaying caching hypermedia content associated with said stored hyperlinks as long as at least one resource-constrained condition for the local client system exists;

organizing cached hypermedia content into a series of topic folders corresponding to different topics; and

storing delayed viewing list entries in said series of topic folder, wherein each entry is stored in a topic folder containing associated hypermedia content.

33. (Original) The machine readable storage of claim 32, further comprising reconfiguring said stored hyperlinks to point to said cached hypermedia content.

34. (Previously Presented) The machine readable storage of claim 32, wherein said presenting step comprises displaying Web content in a Web browser, said Web content containing hyperlinks to additional Web content, said user selection being responsive to a right click mouse event on the selected hyperlink.

35. (Original) The machine readable storage of claim 34, wherein said presenting step further comprises playing back multimedia content in a multimedia content player.

36. (Previously Presented) The machine readable storage of claim 32, wherein said presenting step comprises displaying audiovisual television content combined with hypermedia content in a television set, said audio visual television content comprising a video stream, wherein said video stream is presented in an uninterrupted manner during said receiving, storing, and caching steps.

37. (Previously Presented) The machine readable storage of claim 32, wherein said caching step comprises caching hypermedia content in a server remotely located from and communicatively linked to said content browser.

38. (Previously Presented) The machine readable storage of claim 32, wherein said caching step comprises caching hypermedia content in a local cache communicatively linked to said content browser and disposed within a client executing the content browser.

39. (Previously Presented) The machine readable storage of claim 32, wherein said caching step comprises:

 caching further hypermedia content in a proxy cache where downloading said further hypermedia content to a local cache can constrain at least one of data storage resources of the system, processing resources of the system, and transmission bandwidth of a network connection.

40. (Cancelled)

41. (Original) The machine readable storage of claim 32, wherein said caching step comprises:

 configuring a page depth to which said hyperlinks in said hypermedia content associated with said stored hyperlinks can be followed;

 downloading said hypermedia content associated with said stored hyperlinks, said downloaded hypermedia content containing additional hyperlinks to further hypermedia documents;

 further downloading said further hypermedia documents, said further hypermedia documents containing further hyperlinks to even further hypermedia documents; and,

 repeating said further downloading step until reaching said configured page depth.

42. (Original) The machine readable storage of claim 41, further comprising reconfiguring said stored, further and additional hyperlinks to point to associated hypermedia documents stored in said cache.

43. (Cancelled)

44. (Original) The machine readable storage of claim 32, further comprising adapting said cached hypermedia content for full text searching in a full text search engine.

45. (Previously Presented) The machine readable storage of claim 32, wherein said storing step further comprises:

associating expiration data with each hyperlink in said delayed viewing list; and,
automatically purging hyperlinks from said delayed viewing list based on said expiration data.

46. (Previously Presented) The machine readable storage of claim 32, further comprising manually purging selected cached hypermedia content responsive to a user selection.

47. (Previously Presented) The machine readable storage of claim 32, further comprising manually managing selected hyperlinks in said delayed viewing list via a user interface of a delayed viewing list manager.

48. (Original) The machine readable storage of claim 32, further comprising automatically purging selected hyperlinks in said delayed viewing list.

49. (Original) The machine readable storage of claim 32, further comprising:
selecting hyperlinks in said delayed viewing list; and,
presenting cached hypermedia content associated with said selected hyperlinks.
50. (Original) The machine readable storage of claim 32, further comprising:
selecting hyperlinks in said delayed viewing list; and,
adding said selected hyperlinks to a list of bookmarks in a content browser.
51. (Original) The machine readable storage of claim 32, further comprising
manually managing said cached hypermedia content.
52. (Original) The machine readable storage of claim 32, wherein said caching step
comprises:
determining if a selected hyperlink is associated with hypermedia content having a
limited lifetime; and,
if it is determined that a selected hyperlink is associated with hypermedia content
having a limited lifetime, identifying further hypermedia content necessary for viewing
said hypermedia content having a limited lifetime, and downloading said hypermedia
content having a limited lifetime and said necessary further hypermedia content.
53. (Withdrawn) A method for providing fee-based content caching
comprising:
receiving requests from an end user to store in a delayed viewing list (DVL)
selected ones of hyperlinks contained in hypermedia content presented in a client-side
content browser;
responsive to said end user requests, storing said selected hyperlinks in said DVL
and notifying a third-party content caching system;

responsive to said notification, caching in said third-party content caching system further hypermedia content associated with said stored hyperlinks, said caching occurring during said presentation of said hypermedia content in said client-side content browser; and,

charging said end-user a fee for said content caching.

54. (Withdrawn) The method of claim 53, further comprising:
transmitting to said end user for presentation in said client-side content browser, selected ones of said cached hypermedia content.

55. (Withdrawn) The method of claim 53, wherein said fee is based upon how many bytes of data are included in said cached hypermedia content.

56. (Withdrawn) The method of claim 53, wherein said fee is based upon how many times said end user caches hypermedia content.

57. (Withdrawn) The method of claim 53, wherein said hypermedia content is Web content.

58. (Withdrawn) The method of claim 57, wherein said fee is based upon how many Web pages are cached in said third party content caching system.

59. (Currently Amended) A method for presenting and managing hypermedia content in hypermedia content presentation system configured to access hypermedia content through a local client system from a plurality of network-linked sources, the method comprising:

presenting hypermedia content, said hypermedia content containing hyperlinks to additional hypermedia content;

receiving a user selection of at least one of said hyperlinks;

responsive to a user selecting at least one of said hyperlinks, storing user selected ones of said hyperlinks in a delayed viewing list;

analyzing data storage resources of the local client system and at least one of processing resources of the local client system and transmission bandwidth of a network connection of between the local client system to determine if at least one resource-constrained condition for the local client system exists;

caching hypermedia content associated with said stored hyperlinks during said presenting step if no resource-constrained condition for the local client system exists, wherein the hypermedia content is presented to the user during said receiving and caching steps; and

delaying caching hypermedia content associated with said stored hyperlinks as long as at least one resource-constrained condition for the local client system exists.